



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) Publication number:

0 631 451 A2

(12)

EUROPEAN PATENT APPLICATION

(21) Application number: **94109796.6**

(51) Int. Cl. 5: **H04Q 7/04, H04B 7/26**

(22) Date of filing: **24.06.94**

(30) Priority: **24.06.93 JP 153908/93**

24-5-308, Hayashi, 1-chome

Yokosuka-shi,

Kanagawa 238-03 (JP)

Inventor: **Mitsuru, Murata**

33-1-213, Tomioka-higashi, 1-chome

Yokohama-shi,

Kanagawa 236 (JP)

(43) Date of publication of application:
28.12.94 Bulletin 94/52

(84) Designated Contracting States:
DE GB SE

(71) Applicant: **NTT MOBILE COMMUNICATIONS**

NETWORK INC.

10-1, Toranomon 2-chome

Minato-ku,

Tokyo (JP)

(72) Inventor: **Nakano, Etsuhiro**

(74) Representative: **Lehn, Werner, Dipl.-Ing. et al**

Hoffmann, Eitl & Partner,

Patentanwälte,

Postfach 81 04 20

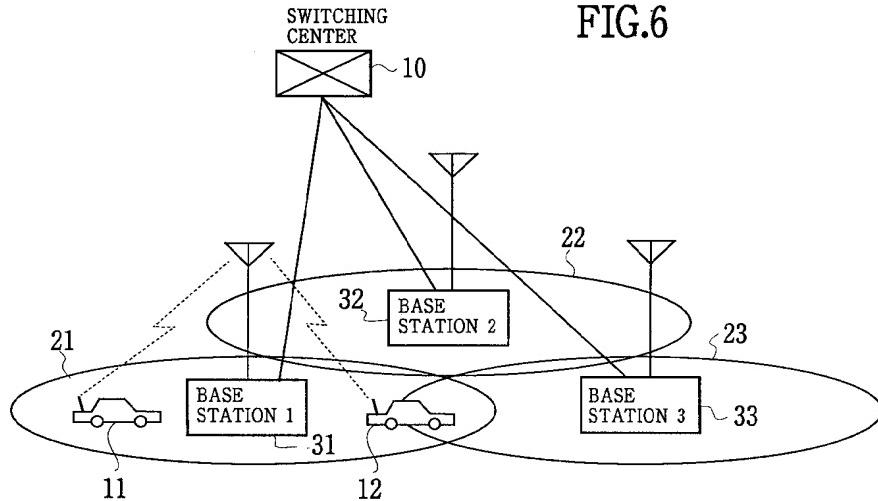
D-81904 München (DE)

(54) **Handover scheme in cellular system using variable channel switching control parameter setting based on mobile station state.**

(57) A handover scheme in the cellular system capable of controlling the setting of the channel switching control parameters to the optimum values according to the state of each mobile station. In the cellular system, at least one of the mobile stations (11,12) and the base stations (31,32,33) includes: a unit for detecting a mobile station state of each mobile station located within a cell of each base

station; a unit for calculating channel switching control parameters in accordance with the detected mobile station state; and a unit for executing a channel switching operation for each mobile station according to the calculated channel switching control parameters whenever each mobile station is moving out of the cell of each base station.

FIG.6



EP 0 631 451 A2

